## NOV 1 6 2000



SonoSite, Inc. 21919 30th Drive SE Barhell, WA 98021-3904 USA

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## 510(K) SUMMARY OF SAFETY AND EFFECTIVENESS

This summary of safety and effectiveness is provided as part of this Premarket Notification in compliance with 21 CFR, Part 807, Subpart E, Section 807.92.

1) Submitter's name, address, telephone number, contact person:

Michael A. Hoffman Director - Regulatory Affairs and Quality Systems SonoSite, Inc. 21919 30<sup>th</sup> Drive SE Bothell, WA 98011-8214

(425) 951 - 1297

E-mail: michael.hoffman@sonosite.com

Date prepared: November 9, 2000

2) Name of the device, including the trade or proprietary name if applicable, the common or usual name, and the classification name, if known:

Common/ Usual Name

Diagnostic Ultrasound System with Accessories

Proprietary Name

SonoSite™ Hand-Carried Ultrasound System (subject to change)

### Classification Names

		FR Number	Product Code
Ultrasonic System	Pulsed Doppler Imaging	892.1550	90-IYN
Ultrasonic System	Pulsed Echo Imaging	892.1560	90-IYO
Diagnostic	Ultrasound Transducer	892.1570	90-ITX

## 3) Identification of the predicate or legally marketed device:

SonoSite, Inc. believes that SonoSite™ Hand-Carried Ultrasound System is substantially equivalent to the previously cleared Advanced Technology Laboratories (ATL) HDI® 5000 Ultrasound System (K961459), the SonoSite™ 180 Hand-Carried Ultrasound System (K990806 and K981505), and the SonoHeart™ Hand-Carried Electrocardiography System (K994096).

### 4) Device Description:

The SonoSite™ Hand-Carried Ultrasound System is a general purpose, highly portable, software-controlled, diagnostic ultrasound system. Its function is to acquire ultrasound data and display it on a monitor in 2D, Color Power Doppler, PowerMap™ Directional Color Power Doppler, or in a combination of modes. The SonoSite™ Hand-Carried Ultrasound System also gives the operator the ability to measure anatomical structures and offers analysis packages that provide information used for clinical diagnostic purposes.

The SonoSite™ Hand-Carried Ultrasound System is designed to accept curved or linear transducers of the types and frequency listed in the table below. All actions affecting the performance of the transducer are activated from the main system control panel.

Frequency Range:	2.0 - 10.0 MHz
Transducer Types:	Linear array
	Curved array
	Intracavitary array

The SonoSite™ Hand-Carried Ultrasound System is designed to comply with the standards listed below.

EN 60601-1:1997	IEC 61000-4-2:1999							
EN 60601-1-1:1993	IEC 61000-4-3:1997							
EN 60601-1-2:1998	IEC 61000-4-4:1995							
UL 2601-1:1999	IEC 61000-4-5:1999							
CAN/CSA C22.2, No. 601.1:1998	ISO 10993							
CEI/IEC 61157:1992	ISO 9001							
RTCA/D0160D: 1997	EN 46001							
CISPR11:1997	21 CFR 820							
Standard for Real-Time Display of Thermal and Mechanical Acoustic Output Indices on Diagnostic Ultrasound Equipment, American Institute of Ultrasound in Medicine, 1998	Acoustic Output Measurement and Labeling Standard for Diagnostic Ultrasound Equipment, American Institute of Ultrasound in Medicine, 1993							
Acoustic Output Measurement Standard for Diagnostic Ultrasound Equipment, NEMA UD2-1998	European Active Medical Device Directive (93/42/EEC)							
JIS-T-100x	JIS-T-100x Series							

### 5) Intended Use:

The intended uses of the SonoSite™ Hand-Carried Ultrasound System, as defined by FDA guidance documents, are:

Fetal - OB/GYN	Musculo-skeletal (conventional)
Laparoscopic	Musculo-skeletal (superficial)
Intraoperative (abdominal organs and vascular)	Neonatal Cephalic
Abdominal	Pediatric
Small Organ (breast, thyroid, testicle)	Cardiac (adult and pediatric)
Trans-vaginal	Peripheral Vessel
Trans-rectal	

Typical examinations performed using the SonoSite™ Hand-Carried Ultrasound System are:

Abdomen: This system transmits ultrasound energy into the upper and lower quadrants of the abdomen of an adult or pediatric patient to obtain 2D, Color Power Doppler, or PowerMap™ Directional Color Power Doppler images, including organ surveys, blood flow assessment, and retroperitoneal cavity studies, which can be used to assess the presence and extent of disease and injury.

Study of small parts and superficial structures including breasts, shoulders, thyroid, and the abdominal wall: This system transmits ultrasound energy into the superficial soft tissue structures of the body to obtain 2D, Color Power Doppler, or PowerMap™ Directional Color Power Doppler images of normal structure and pathology of the breast, thyroid, abdominal wall, shoulders, wrist, ankle and knee.

Study of deep and superficial (1.5 cm or less) musculo-skeletal structures: This system transmits ultrasound energy into the muscular and skeletal structures of an adult or pedriatric patient to obtain 2D, Color Power Doppler, or PowerMap™ Directional Color Power Doppler images which can be used to assess the presence and extent of injury.of structures such as tendons, ligaments, and muscles.

Pediatric scans of organs, superficial structures, and bony structures: This system transmits ultrasound energy into the abdomen, pelvis and superficial structures of pediatric patients to obtain 2D, Color Power Doppler, or PowerMap™ Directional Color Power Doppler images of the abdominal organs, great vessels, pelvic structures and pediatric hips.

Scans of the abdomen, cranium, pelvis and heart in neonates that weigh less than 1500 grams or are less than 32 weeks gestation: This system transmits ultrasound energy into the cranium, abdomen, pelvis soft tissue or heart of patients to obtain 2D, CPD or PowerMap DCPD images. These images will be used to assess the presence and extent of some diseases or injuries. Some examples of the pathology that ultrasound is used for include: Cranium – hemorrhage, ischemia, shunt placement and dilated ventricles; Abdominal organs – renal disease, gallbladder disease; Pelvis – ovarian pathology, uterine pathology and testicular disease; Soft tissue/superficial tissue – hip, lymph nodes and superficial cysts.

General cardiac studies in adults and pediatrics: This system transmits ultrasound energy into the thorax of adult and pediatric patients to obtain 2D, Color Power Doppler, or PowerMap™ Directional Color Power Doppler images of the heart, great vessels, and anatomic and pathologic structures. This can be used to assess overall cardiac performance and size, determine the presence and size of fluid around the heart and lungs, visualize blood flow through cardiac valves, and as an aid in certain procedures (namely pericardialcentesis, and pleuralcentesis).

GYN/Infertility: This system transmits ultrasound energy into the lower

abdomen or vagina of a female patient to obtain 2D or Color Power Doppler, or PowerMap™ Directional Color Power Doppler images of the reproductive system, which can be used to assess the presence and extent of disease in the female pelvic organs, monitor ovarian follicle size, and as an aid in chorionic villi sampling (CVS) procedures.

Obstetrics: This system transmits ultrasound energy into the abdomen or vagina of a pregnant woman to obtain 2D images of a fetus, which can be used to estimate gestational age, number and weight, and assess the presence and extent of disease and confirm viability. Color Power Doppler or PowerMap™ Directional Color Power Doppler imaging is intended for high-risk pregnant women. High risk pregnancy indications include, but are not limited to multiple pregnancy, fetal hydrops, placental abnormalities, as well as maternal hypertension, diabetes, and lupus.

Prostate: This system transmits ultrasound energy through the prostate of an adult patient to obtain 2D, Color Power Doppler, or PowerMap™ Directional Color Power Doppler images of structures, which can be used to assess the presence and extent of disease or injury.

## 6) Technological Characteristics:

This device operates identically to the predicate devices in that piezoelectric material in the transducer is used as an ultrasound source to transmit sound waves into the body. Sound waves are reflected back to the transducer and converted to electrical signals that are processed and displayed as 2D or M-Mode images. Doppler shift caused by blood flow is displayed as Color Flow, or as spectrum analysis. The modes of this device (2D, Color Power Doppler, and PowerMap™ Directional Color Power Doppler) are the same as predicate devices identified in item 3. Transducer patient contact materials are biocompatible.

This device conforms to the Standard for Real-Time Display of Thermal and Mechanical Acoustic Output Indices on Diagnostic Ultrasound Equipment (AIUM/NEMA, 1998) for an on-screen display feature that provides information on potential thermal and cavitation bioeffect mechanisms. A user education program provides additional information so users may moderate the system's acoustic output in accordance with the ALARA (as low as reasonably achievable) principle.

# The device's acoustic output limits are:

## All Applications:

ISPTAd	720 mW/cm² (Maximum)
TIS/TIB/TIC	0.1 - 4.0 (Range)
Mechanical Index (MI)	1.9 (Maximum)
ISPPAd	0 - 700 W/cm² (Range)

The limits are the same as predicate Track 3 devices.



Food and Drug Administration 9200 Corporate Boulevard Rockville MD 20850

Sonosite, Inc. c/o Mark Job TUV Product Service Inc. 1775 Old Highway 8 New Brighton, MN 55112

K003399

SonoSite™ Hand-Carried Ultrasound System

Regulatory Class: II/21 CFR 892.1550 and 21 CFR 892.1560

NOV 1 6 2000

Product Code: 90 IYN and 90 IYO

Dated: October 31, 2000 Received: November 1, 2000

Dear Mr. Job:

Re:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

This determination of substantial equivalence applies to the following transducers intended for use with the SonoSite™ Hand-Carried Ultrasound System, as described in your premarket notification:

#### Transducer Model Number

ICT/7-4 7.0-4.0 MHz Intracavitary Transducer L38/10-5 10.0-5.0 MHz Linear Array C60/5-2 5.0-2.0 MHz Curved Array C15/4-2 MHz Curved Array

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval) it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Good Manufacturing Practice requirement, as set forth in the Quality System Regulation (QS) for Medical Devices: General (GMP) regulation (21 CFR Part 820) and that, through periodic QS inspections, the FDA will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, the Food and Drug Administration (FDA) may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification does not affect any obligation you may have under sections 531 and 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus permits your device to proceed to market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4591. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or at (301) 443-6597 or at its internet address "http://www.fda.gov/cdrh/dsmamain.html".

If you have any questions regarding the content of this letter, please contact Rodrigo C. Perez at (301) 594-1212.

Sincerely yours,

Daniel G. Schultz, M.D.

Captain, USPHS

Director, Division of Reproductive, Abdominal and Radiological Devices

Office of Device Evaluation

Center for Devices and Radiological Health

Enclosure(s)

System:

SonoSite™ Hand-Carried Ultrasound System

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

Cli	inical Application				Mode of	Operation		
General	Specific	В	М	PWD	CWD	Color	Combined	Other
(Track I only)	(Tracks I & III)					Doppler	(Spec.)	(Spec.
Ophthalmic	Ophthalmic							
	Fetal	Р	P				B+M	Note 1
:	Abdominal	Р	Р				В+М	Note 1
	Intra-operative (Abdominal	P	P				B+M	Note 1
	organs and vascular)					<b>.</b>		
	Intra-operative (Neuro.)							71-12-
Fetal Imaging	Laparoscopic	N	N				B+M	Note 2
& Other	Pediatric	Р	P				B+M	Note 1
2 0 2 1 3 1	Small Organ (breast,	P	P		.4	A STATE OF STATE	B+M	Note 1
	thyroid, testicles.)						l	1
	Neonatal Cephalic	Р	Р			a section of	B+M	Note:
	Adult Cephalic						<u> </u>	
1	Trans-rectal	P	P			1	B+M	Note '
	Trans-vaginal	P	P				B+M	Note
	Trans-urethral							<u></u>
	Trans-esoph. (non-Card.)				1570,019	ner en		
	Musculo-skel. (Convent.)	P	P				B+M	Note
	Musculo-skel. (Superfic.)	N	N		V-1,19	all some some	В+М	Note:
•	Intra-Juminal							<u> </u>
	Other (spec.)							1
	Cardiac Adult	Р	Р			500	B+M	Note
Cardiac	Cardiac Pediatric	P	P				B+M	Note
	Trans-esophageal (card.)							1
	Other (spec.)							
Peripheral	Peripheral vessel	Р	Р				······B+M	Note
Vessel	Other (spec.)							<u> </u>

N= new indication; P= previously cleared by FDA; E= added under Appendix E

#### Additional Comments:

Note 1: Other includes Color Power Doppler, combined B and Color Power Doppler, combined B and PowerMap™ Directional Color Power Doppler, 3-D Imaging, Harmonic Imaging, and imaging for guidance of biopsy previously cleared through 510(k) K994096.

Note 2: Other includes Color Power Doppler, combined B and Color Power Doppler, combined B and PowerMap™ Directional Color Power Doppler, 3-D Imaging, Harmonic Imaging, and imaging for guidance of biopsy.

Prescription Use (Per 21 CFR 801.109)

(Division Sign-Off)

Division of Reproductive, Abdominal, ENT.

and Radiological Devices

510(k) Number

Prescription Use (Per 21 CFR 801.109)

System: SonoSite™ Hand-Carried Ultrasound System

Transducer: ICT/7-4 7.0-4.0 MHz Intracavitary Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

CI	inical Application	Mode of Operation								
General	Specific	В	М	PWD	CWD	Color	Combined	Other		
(Track I only)	(Tracks I & III)					Doppler	(Spec.)	(Spec.)		
Ophthalmic	Ophthalmic									
	Fetal	Р	Р				B+M	Note 1		
	Abdominal									
	Intra-operative (Abdominal						and the second	1		
	organs and vascular)	<u> </u>	<u> </u>	<u> </u>						
	Intra-operative (Neuro.)					property.	Average in the control of			
Fetal Imaging	Laparoscopic		<u> </u>	<u> </u>	<u> </u>			ļ		
& Other	Pediatric					1.000	34.7	ļ		
	Small Organ (breast,									
	thyroid, testicles.)	<u> </u>						ļ		
	Neonatal Cephalic									
	Adult Cephalic							ļ.,		
	Trans-rectal	Р	P		~ <b>,</b> *** **	a hukamannan	B+M	Note 1		
	Trans-vaginal	P	P				B+M	Note 1		
	Trans-urethral				1,0,0018	a a compression of				
	Trans-esoph. (non-Card.)							<u> </u>		
	Musculo-skel. (Convent.)	<u> </u>	<u> </u>		955 <del>11</del> 1 245, 1	91 9 1 4 4 19 <u>18 1</u> 9	<u>a and the parties of the same same same same same same same sam</u>			
1	Musculo-skel. (Superfic.)	<u> </u>		<u> </u>				<u> </u>		
1	Intra-luminal									
	Other (spec.)				,76		UMA 1. Pro P. Comit			
	Cardiac Adult							<u> </u>		
Cardiac	Cardiac Pediatric									
	Trans-esophageal (card.)									
	Other (spec.)									
Peripheral	Peripheral vessel									
Vessel	Other (spec.)									

N= new indication; P= previously cleared by FDA; E= added under Appendix E

#### Additional Comments:

Note 1: Other includes Color Power Doppler, combined B and Color Power Doppler, combined B and PowerMap<sup>™</sup> Directional Color Power Doppler, 3-D Imaging, Harmonic Imaging, and imaging for guidance of biopsy previously cleared through 510(k) K994096.

Prescription Use (Per 21 CFR 801.109)

(Division Sign-Off)

Division of Reproductive, Abdominal, ENT, and Radiological Devices

Prescription Use (Per 21 CFR 801.109)

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510(k) Number 100'5'590

System:

SonoSite™ Hand-Carried Ultrasound System

Transducer: L38/10-5 10.0-5.0 MHz Linear Array

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

Cli	nical Application					Operation	Combined Othe			
General	Specific	В	М	PWD	CWD	Color	1	Other		
(Track I only)	(Tracks I & III)					Doppler	(Spec.)	(Spec.)		
Ophthalmic	Ophthalmic					·				
	Fetal	Р	Р				B+M	Note 1		
	Abdominal	Р	Р				B+M	Note 1		
	Intra-operative (Abdominal	Р	Р				B+M	Note 1		
	organs and vascular)									
	Intra-operative (Neuro.)	<u> </u>					and the second s			
Fetal Imaging	Laparoscopic	N	N				B+M	Note 2		
& Other	Pediatric	Р	Р				B+M	Note 1		
·	Small Organ (breast,	Р	Р				B+M	Note 1		
	thyroid, testicles.)	<u> </u>	ļ					ļ.,		
	Neonatal Cephalic	P	P		<u> </u>	<u> </u>	B+M	Note 1		
4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Adult Cephalic	<u> </u>	1	<u> </u>	ļ		ļ	ļ		
1	Trans-rectal	<u> </u>	ļ		<u> </u>			ļ		
	Trans-vaginal	<b>↓</b>	ļ							
	Trans-urethral	1	<u> </u>	<b></b>		M 12 (4)	A CONTROL OF THE STATE OF THE S	<del> </del>		
	Trans-esoph. (non-Card.)				ļ					
	Musculo-skel. (Convent.)	Р	P			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Note 1		
*	Musculo-skel. (Superfic.)	N	N				B+M	Note 2		
	Intra-luminal	1					<b>_</b>			
	Other (spec.)									
	Cardiac Adult									
Cardiac	Cardiac Pediatric	P	P				B+M	Note 1		
	Trans-esophageal (card.)	Ш	1	<u> </u>				<b></b>		
	Other (spec.)			1						
Peripheral	Peripheral vessel	Р	Р				B+M	Note 1		
Vessel	Other (spec.)									

N= new indication; P= previously cleared by FDA; E= added under Appendix E

#### Additional Comments:

Note 1: Other includes Color Power Doppler, combined B and Color Power Doppler, combined B and PowerMap™ Directional Color Power Doppler, 3-D Imaging, Harmonic Imaging, and imaging for guidance of biopsy previously cleared through 510(k) K994096.

Note 2: Other includes Color Power Doppler, combined B and Color Power Doppler, combined B and PowerMap<sup>TM</sup> Directional Color Power Doppler, 3-D Imaging, Harmonic Imaging, and imaging for guidance of biopsy.

Prescription Use (Per 21 CFR 801.109)

(Division Sign-Off)

Division of Reproductive, Abdominal, ENT,

and Radiological Devices

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Prescription Use (Per 21 CFR 801.109)

Od Number K00339C

System:

SonoSite™ Hand-Carried Ultrasound System

Transducer: C60/5-2 5.0-2.0 MHz Curved Array

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

CI	inical Application					Operation		
General	Specific	В	М	PWD	CWD	Color	Combined	Other
(Track I only)	(Tracks I & III)					Doppler	(Spec.)	(Spec.)
Ophthalmic	Ophthalmic							
	Fetal	Р	P				B+M	Note 1
	Abdominal Abdominal	Р	Р				B+M	Note 1
	Intra-operative (Abdominal	Р	Р				B+M	Note 1
,	organs and vascular)							
	Intra-operative (Neuro.)	<u> </u>				et the second	t pastern a linear	
Fetal Imaging	Laparoscopic	1						
& Other	Pediatric	Р	P		ļ	1. N.	B+M	Note 1
	Small Organ (breast,			1				l·
	thyroid, testicles.)							<u>ļ.</u>
	Neonatal Cephalic		<u> </u>		1			<u> </u>
	Adult Cephalic		<u> </u>		<b></b>			
	Trans-rectal	<u> </u>	ļ			<u> </u>		
1	Trans-vaginal	<u> </u>						
	Trans-urethral	1			1 12 Th 12 24	V 1 474 2 1 + 7 4 443	produce the service	
	Trans-esoph. (non-Card.)	<b>_</b>				<u> </u>		
	Musculo-skel. (Convent.)				1 1000	and the second of the second	a etuesa, tituus eti sees,	
	Musculo-skel. (Superfic.)							
	Intra-luminal	1	<u> </u>					
	Other (spec.)					<u> </u>		
	Cardiac Adult	Р	P				B+M	Note 1
Cardiac	Cardiac Pediatric	P	P				B+M	Note 1
	Trans-esophageal (card.)			<u> </u>				<b></b>
	Other (spec.)							<u> </u>
Peripheral	Peripheral vessel						٠.	
Vessel	Other (spec.)							

N= new indication; P= previously cleared by FDA; E= added under Appendix E

#### **Additional Comments:**

Note 1: Other includes Color Power Doppler, combined B and Color Power Doppler, combined B and PowerMap<sup>TM</sup> Directional Color Power Doppler, 3-D Imaging, Harmonic Imaging, and imaging for guidance of biopsy previously cleared through 510(k) K994096.

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Prescription Use (Per 21 CFR 801.109)

(Division Sign-Off)

Division of approductive, Abdominal, ENT,

Prescription Use (Per 21 CFR 801.109 and Radioles

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Section 4.3, page 5

System:

SonoHeart™ Hand-Carried Ultrasound System

Transducer: C15/4-2 MHz Curved Array

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

Cli	nical Application					Operation	<b></b>	
General	Specific	В	М	PWD	CWD	Color	Combined	Other
(Track I only)	(Tracks I & III)					Doppler	(Spec.)	(Spec.)
Ophthalmic	Ophthalmic							
	Fetal	Р	Р				B+M	Note 1
	Abdominal	Р	Р				B+M	Note 1
	Intra-operative (Abdominal	Р	P				B+M	Note 1
	organs and vascular)	<b>I</b>						
	Intra-operative (Neuro.)							
Fetal Imaging	Laparoscopic							<u> </u>
& Other	Pediatric	Р	P				B+M	Note 1
	Small Organ (breast,	Р	Р		-		B+M	Note 1
	thyroid, testicles.)	1						
	Neonatal Cephalic	Р	P				B+M	Note 1
	Adult Cephalic						<u> </u>	
	Trans-rectal							]
1.	Trans-vaginal							
	Trans-urethral					Acceptable to the	on water make a well of the con-	1
	Trans-esoph. (non-Card.)							<del> </del>
	Musculo-skel. (Convent.)	P	P				B+M	Note 1
	Musculo-skel. (Superfic.)					<u> </u>	<u> </u>	
	Intra-luminal				<u> </u>			
	Other (spec.)							
	Cardiac Adult	Р	P				B+M	Note 1
Cardiac	Cardiac Pediatric	Р	P				B+M	Note 1
	Trans-esophageal (card.)	1_						
	Other (spec.)						<u> </u>	
Peripheral	Peripheral vessel	Р	P				B+M	Note 1
Vessel	Other (spec.)							

N= new indication; P= previously cleared by FDA; E= added under Appendix E

#### Additional Comments:

Note 1: Other includes Color Power Doppler, combined B and Color Power Doppler, combined B and PowerMap<sup>™</sup> Directional Color Power Doppler, 3-D Imaging, Harmonic Imaging, and imaging for guidance of biopsy previously cleared through 510(k) K994096.

Prescription Use (Per 21 CFR 801.109)

(Division Sign-Off)

Division of Reproductive, Abdominal, ENT,

Prescription Use (Per 21 CFR 801.109) and Radiological Devices

510(k) Number

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